**HANDS\_ON\_4(Blog App)**

**1.src/Post.js**

class Post {

constructor(id, title, body) {

this.id = id;

this.title = title;

this.body = body;

}

}

export default Post;

**2.src/Posts.js**

import React from 'react';

import Post from './Post';

class Posts extends React.Component {

constructor(props) {

super(props);

this.state = {

posts: [],

hasError: false

};

}

loadPosts() {

fetch('https://jsonplaceholder.typicode.com/posts')

.then(response => response.json())

.then(data => {

// If you want to use the Post class:

const postObjects = data.map(

item => new Post(item.id, item.title, item.body)

);

this.setState({ posts: postObjects });

})

.catch(error => {

this.setState({ hasError: true });

});

}

componentDidMount() {

this.loadPosts();

}

render() {

if (this.state.hasError) {

return <h2>Something went wrong while loading posts.</h2>;

}

return (

<div>

{this.state.posts.map(post => (

<div key={post.id}>

<h3>{post.title}</h3>

<p>{post.body}</p>

</div>

))}

</div>

);

}

componentDidCatch(error, info) {

alert('An error occurred: ' + error);

}

}

export default Posts;

**3.src/App.js**

import React from 'react';

import Posts from './Posts';

function App() {

return (

<div className="App">

<h1>Blog Posts</h1>

<Posts />

</div>

);

}

export default App;

**4.src/index.js**

Default as generated by create-react-app:

import React from 'react';

import ReactDOM from 'react-dom/client';

import App from './App';

const root = ReactDOM.createRoot(document.getElementById('root'));

root.render(

<React.StrictMode>

<App />

</React.StrictMode>

);

**OUTPUT BROWSER:**

